

Atchafalaya River Basin Restoration and Enhancement Task Force

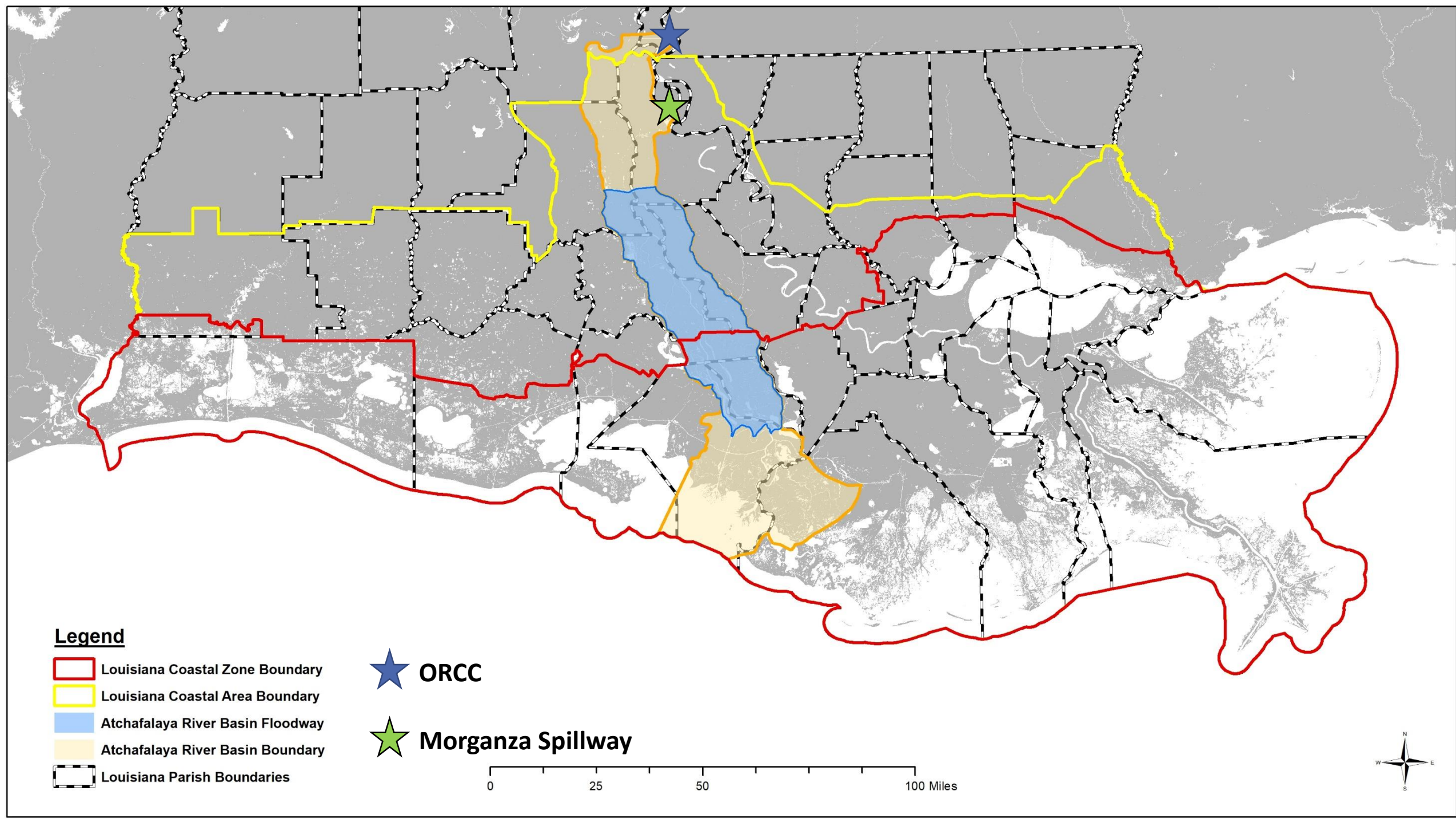
Meeting #3
May 4, 2021



Agenda

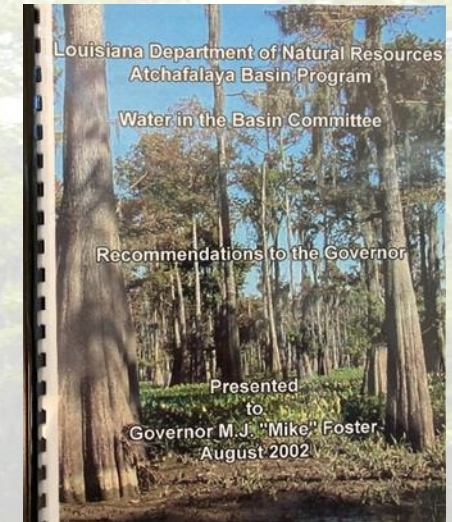
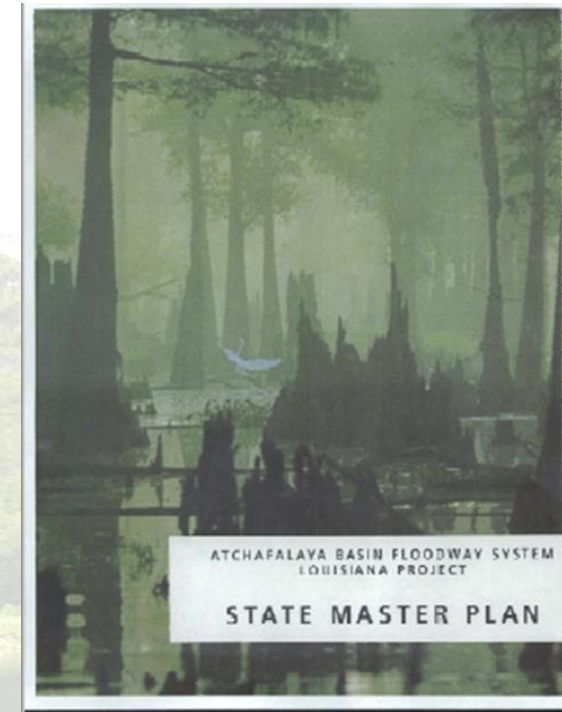
- I. Call to Order
- II. Roll Call
- III. Approval of Minutes
- IV. Approval of Agenda
- V. Old Business/Announcements – Morgan Crutcher, GOCA
- VI. Solutions to Priority Issues – Brian Lezina, CPRA
- VII. Public Comment
- VIII. Adjourn

Implementation of Potential Solutions



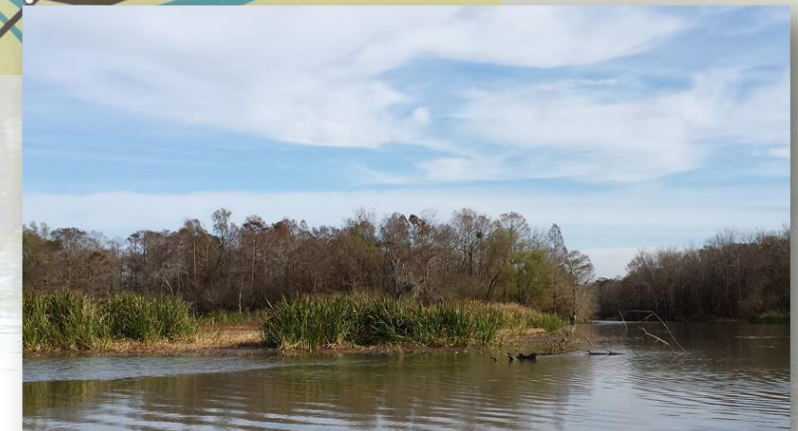
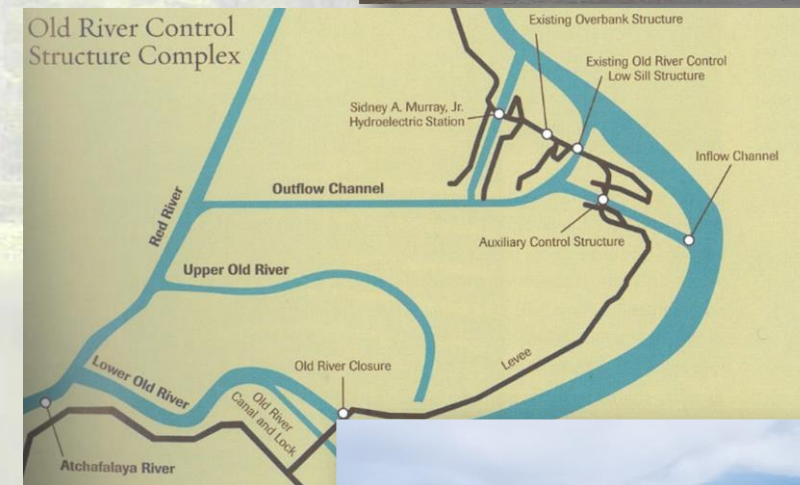
Priority Issues Survey

- Hydrology
- Sedimentation
- Invasives
- Water Quality
- Land and Resource Use
- Land Loss and Subsidence
- Federal Authorizations and Support



Potential Solutions

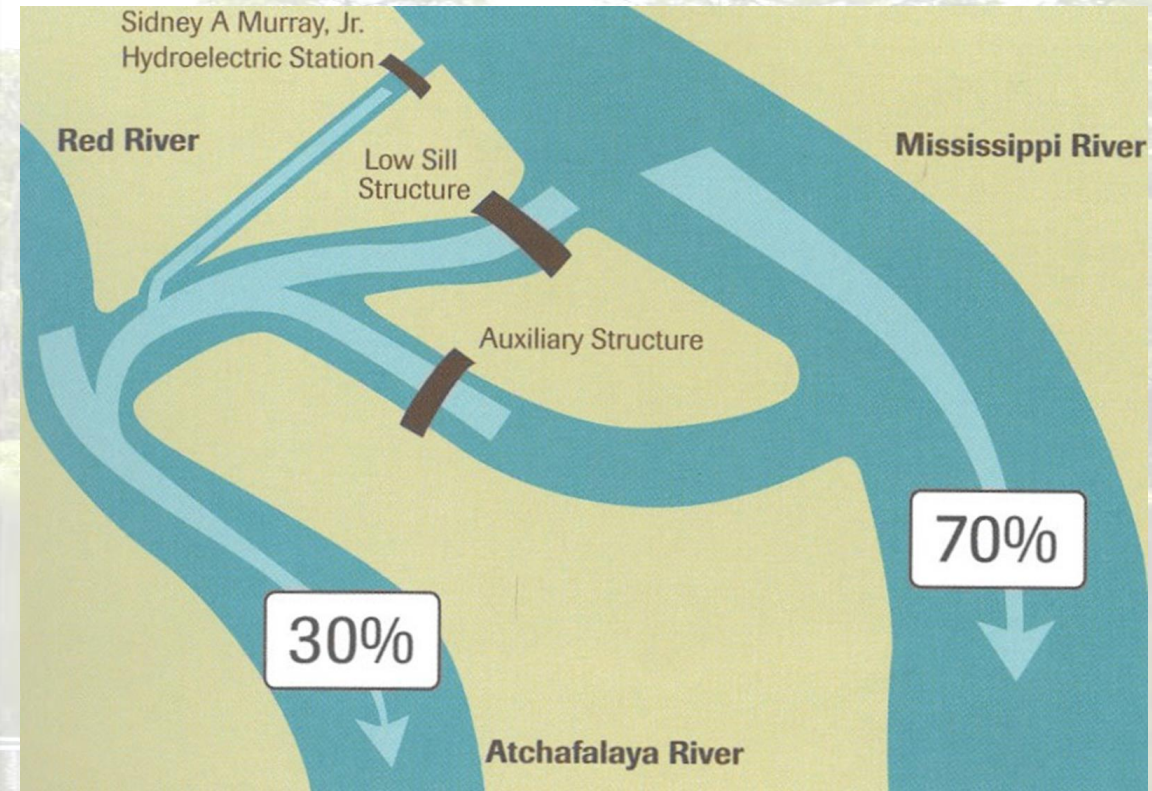
- Inputs to the System
 - Where, what, when, how much
- Channel Management
 - Distribution of water/sediment
- Floodplain Areas
 - Hydrology of the swamp
 - Habitats



- What issues are being addressed
- Specific alternatives
- What are the impacts of the action
- How is the decision made to effect change
- How is the action implemented

Inputs to the System

- ORCS
 - Timing, duration, and magnitude
 - Entry point
- Bayou Courtableu
- Locks, other structures



INPUTS TO THE SYSTEM : ORCC

Consensus: 70/30 regime needs to be re-examined.

Considerations:

- Multiple uses
- Seasonality of inputs
- Magnitude or duration of flow
- Channel morphology
- Flow through complex structures
- Authorization and Operation of the structures

INPUTS TO THE SYSTEM : ORCC

- What issues are being addressed
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Channel Management

- Channel training
 - Fixed crest, variable, full bank, etc.
 - Armoring
- Dredging
- Increase Flow through Wax Lake Outlet
- Third Outlet
- Sediment Pipeline
- Other structures



Channel Management

Consensus:

- Flows do not leave the basin fast enough at the lower end of the system, causing hydraulic damming raising water levels in the floodplain and the channel
- Dredging is an obvious, but expensive solution
- The system needs to be managed

Channel Management: Training

Consensus:

- There are benefits to the management of the water/sediment within the main channel

Considerations:

- Efficient channel further isolates flows from the backswamp
- Increased connectivity increases sediment introduction
- Decreased connectivity impacts habitats

Channel Management: Training

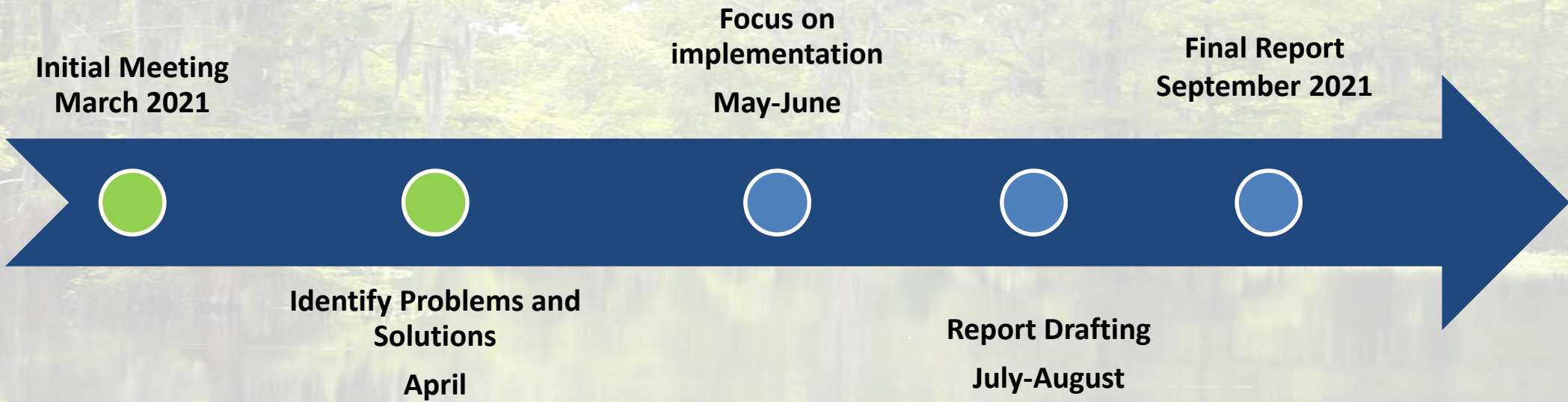
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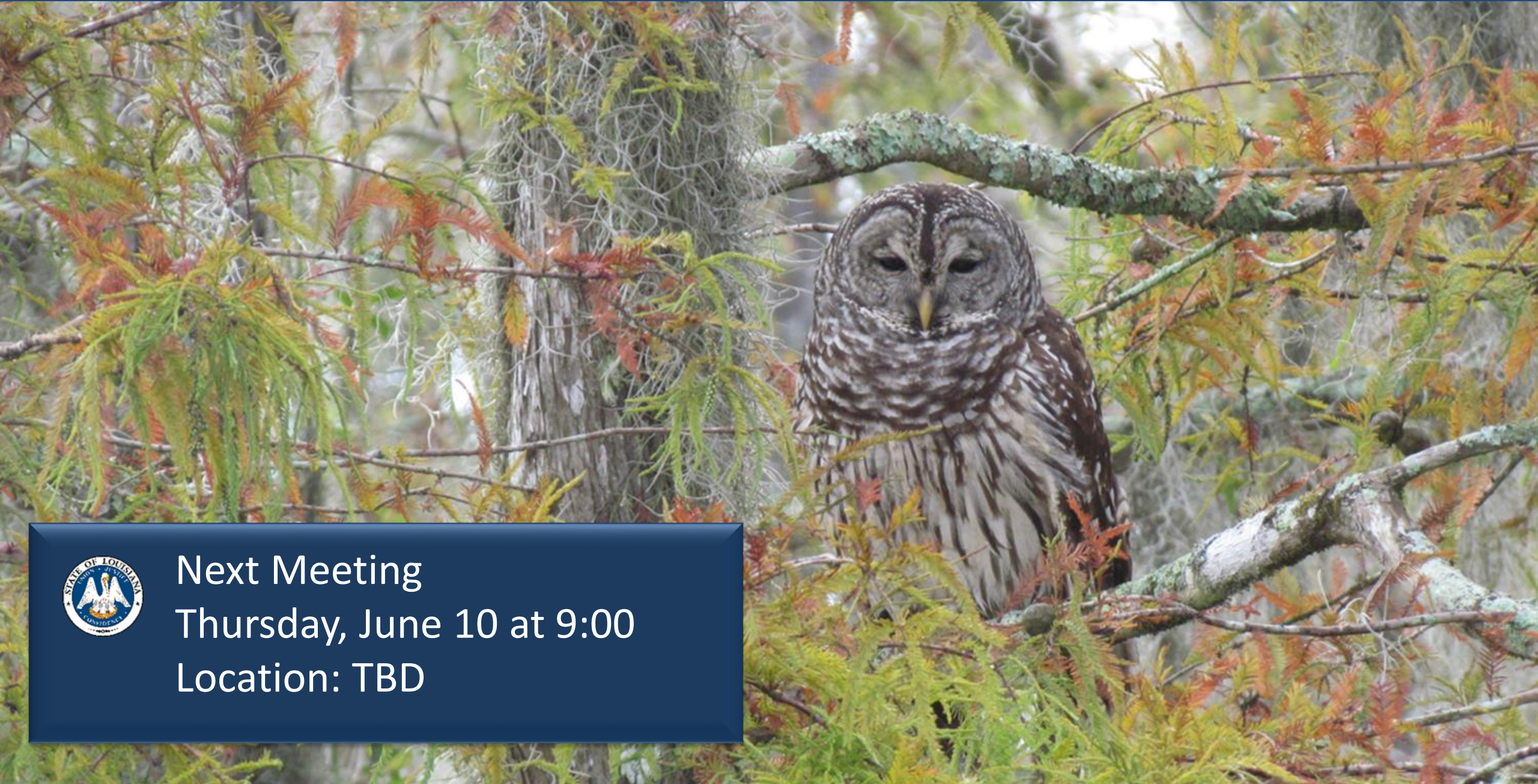
Next Month: Backswamp

- Spoil bank gapping
 - With/without river connection
- Canal/waterway modification
- Local dredging
- Sediment trapping
- Structural features
- Specific habitat considerations



Timeline





Next Meeting
Thursday, June 10 at 9:00
Location: TBD